

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD2103	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2103	A	9.53						
Wheatland Vicinity								
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.07		0.07	0.74%				
Encroachments					0.48			
Crown Surface / Depressions / Rutting	0.01		0.01	0.11%				
Flood Preparedness & Training	0.10		0.10	1.05%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.21	0.03		
<i>LMA Totals:</i>	0.18	0.00	0.18	1.89%	0.69	0.03	0.00	0.00
Unit No. 01 South Dry Creek LB	Overall Unit Rating	Total Unit Miles						
RD2103	A	4.64						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.06		0.06	1.29%				
Encroachments					0.48			
<i>Supplemental</i>								
DWR UCIP Field Study					0.10			
<i>Unit Totals:</i>	0.06	0.00	0.06	1.29%	0.58	0.00	0.00	0.00
Unit No. 02 Bear River RB	Overall Unit Rating	Total Unit Miles						
RD2103	A	4.88						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.21%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.21%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.11	0.03		
<i>Unit Totals:</i>	0.02	0.00	0.02	0.41%	0.11	0.03	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Reclamation District No. 2103 Wheatland Vicinity

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 2103 Wheatland Vicinity

Waterway			Bank	Unit Miles
Unit No. 01 South Dry Creek			Left	4.64
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/24/2014 - 04/24/2014		10/16/2014 - 10/16/2014	
DWR Inspector	Matthew Hoffman		Matthew Hoffman	
Accompanied By	Tom Engler		Tom Engler	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	0.00	Rating **	M	Issue No.	2					
LM End	0.00	Issue Type +	Ma	Location *	N/A					
Category	Earthen Levee		GPS Latitude/Longitude							
			Start	End						
Item	Flood Preparedness & Training			°	°					
				°	°					
DWR ID	DWR_RD2103_01_s_2012_2									
Action/Comments										
Inspector Comments: LMA regularly attends flood fight training put on by RD784 and DWR.										

No Photos

LM Start	0.00	Rating **	A	Issue No.	5					
LM End	0.00	Issue Type +	Ma	Location *	N/A					
Category	Earthen Levee		GPS Latitude/Longitude							
			Start	End						
Item	Operations & Maintenance Manuals			°	°					
				°	°					
DWR ID	DWR_RD2103_01_s_2013_5									
Action/Comments										
Inspector Comments: The manuals are located at Tom Englers office.										

No Photos

LM Start	0.00	Rating **	A	Issue No.	6					
LM End	0.00	Issue Type +	Ma	Location *	N/A					
Category	Earthen Levee		GPS Latitude/Longitude							
			Start	End						
Item	Emergency Supplies & Equipment			°	°					
				°	°					
DWR ID	DWR_RD2103_01_s_2013_6									
Action/Comments										
Inspector Comments: LMA stated that they have approx. 2500 sandbags and related flood fight material located in a mini storage in downtown Wheatland.										

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	0.01	Rating **	M	Issue No.	11
LM End	0.48	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.019849 °	39.021775 °
				-121.453871 °	-121.445642 °
DWR ID	DWR_RD2103_01_f_2013_11				
Action/Comments					
Fence					

No Photos

LM Start	0.20	Rating **	C	Issue No.	13
LM End	0.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.020891 °	39.020891 °
				-121.450621 °	-121.450621 °
DWR ID	DWR_RD2103_01_s_2014_13				
Action/Comments					
Debris					

No Photos

LM Start	0.39	Rating **	C	Issue No.	12
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.021448 °	39.021448 °
				-121.447252 °	-121.447252 °
DWR ID	DWR_RD2103_01_f_2013_12				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berry bushes have been sprayed but need to be removed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	0.56	Rating **	M	Issue No.	9
LM End	0.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022514 °	39.022514 °
				-121.444814 °	-121.444814 °
DWR ID	DWR_RD2103_01_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:39986 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: It appears this is the same line as the next entry however, permit calls for Southern Pacific Pipe Lines, Inc as the owner and the sign found in the field indicates Kinder Morgan as owner. Need to contact owner to clarify if 2 crossings exist or if crossing is same owner will need to update permit information. Also need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: Kinder Morgan line through levee. Markers visible on both banks. FS Date: 3/4/2014					

No Photos

LM Start	0.56	Rating **	M	Issue No.	14
LM End	0.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022513 °	39.022513 °
				-121.444813 °	-121.444813 °
DWR ID	DWR_RD2103_01_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:39985 EP_NO: 3659 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. It appears this is the same line as the next entry however, permit calls for Southern Pacific Pipe Lines, Inc as the owner and the sign found in the field indicates Kinder Morgan as owner. Need to contact owner to clarify if 2 crossings exist or if crossing is same owner will need to update permit information. FIELD_STRUCT_DESC: 8-5/8-inch steel fuel line through the levee, 3.0 feet below the crown. Cutoff wall around pipe at centerline of levee. Pipe extends through overflow area. (Permit No. 3569-1961). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.55). Markers visible on both sides. FS Date: 3/20/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	0.57	Rating **	M	Issue No.	15
LM End	0.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022665 °	39.022665 °
				-121.444688 °	-121.444688 °
DWR ID	DWR_RD2103_01_f_2014_15				
Action/Comments					
Inspector Comments: FS_ID:39987					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to obtain depth of line through levee. Also need permit authorizing conduit through levee.					
FIELD_STRUCT_DESC: Conduit line through levee. Markers visible on both sides.					
FS Date: 3/4/2014					

No Photos

LM Start	0.58	Rating **	M	Issue No.	16
LM End	0.58	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022733 °	39.022733 °
				-121.444626 °	-121.444626 °
DWR ID	DWR_RD2103_01_f_2014_16				
Action/Comments					
Inspector Comments: FS_ID:38323					
EP_NO: 2098					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 16-inch steel gas line through the levee, 3.0 feet below the crown. Marker on waterward slope. (Permit No. 2098-1955). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.56).					
FS Date: 3/20/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	0.64	Rating **	M	Issue No.	17
LM End	0.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.023513 °	39.023513 °
				-121.444168 °	-121.444168 °
DWR ID	DWR_RD2103_01_f_2014_17				
Action/Comments					
Inspector Comments: FS_ID:38324					
EP_NO: 789					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 16-inch steel gas line through levee, 3.0 feet below the crown. Concrete inspection chamber (24x18-inch with 4-inch walls) on the waterward shoulder, covered with dirt. Gas line marker on the waterward shoulder, covered with dirt. Gas line marker on landward slope. Extends underneath Dry Creek channel, covered with concrete slab approx. 18-inches wide. (Permit No. 789-1939). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.63).					
FS Date: 3/20/2014					

No Photos

LM Start	0.73	Rating **	C	Issue No.	4
LM End	0.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.022892 °	39.024105 °
				-121.444529 °	-121.442552 °
DWR ID	DWR_RD2103_01_s_2013_4				
Action/Comments					
Prunings Inspector Comments: Two pruning piles approx. 200ft apart on L/S slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	0.80	Rating **	C	Issue No.	10
LM End	0.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.024511 °	39.024511 °
				-121.441493 °	-121.441493 °
DWR ID	DWR_RD2103_01_f_2013_10				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.81	Rating **	M	Issue No.	18
LM End	0.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.024725 °	39.024725 °
				-121.440978 °	-121.440978 °
DWR ID	DWR_RD2103_01_f_2014_18				
Action/Comments					
Inspector Comments: FS_ID:39988					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: No marker found on waterward side--need to confirm with owner if crossing goes through levee. If so, need depth of crossing through levee. Also need to obtain permit number used to authorize crossing.					
FIELD_STRUCT_DESC: Conduit line through levee. Marker visible on landward side.					
FS Date: 3/4/2014					

No Photos

LM Start	1.19	Rating **	M	Issue No.	19
LM End	1.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998295 °	38.998295 °
				-121.415186 °	-121.415186 °
DWR ID	DWR_RD2103_01_f_2014_19				
Action/Comments					
Inspector Comments: FS_ID:39966					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments:					
FIELD_STRUCT_DESC: Gas line through levee. Markers visible on both sides.					
FS Date: 3/4/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	1.85	Rating **	M	Issue No.	20
LM End	1.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.029398 °	39.029398 °
				-121.424906 °	-121.424906 °
DWR ID	DWR_RD2103_01_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:38339 EP_NO: 1886 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to coordinate with owner. Remains of steel pipe present on waterward side--no other evidence present at this location. Owner will need to coordinate with CVFPB and DWR-Inspector to determine proper action to abandon crossing. FIELD_STRUCT_DESC: Abandoned 12-inch steel irrigation pipe through the levee, 3.1 feet below the crown. Siphon breaker on the waterward slope. Concrete standpipe at the landward toe. Vertical pump on waterward side. Open on waterward end. Permit includes gravel dam through channel of Dry Creek. (Permit No. 1886-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.86). Crossing is angled 45 degrees. FS Date: 3/20/2014					

No Photos

LM Start	1.91	Rating **	M	Issue No.	21
LM End	1.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.029694 °	39.029694 °
				-121.423946 °	-121.423946 °
DWR ID	DWR_RD2103_01_f_2014_21				
Action/Comments					
Inspector Comments: FS_ID:38327					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to determine if there is a crossing through pipe. Will need to coordinate with owner to determine additional information about appurtenances found on landward side.					
FIELD_STRUCT_DESC: Irrigation pump, service pole, and 36-inch concrete standpipe, 5 feet from the landward toe. No pump was found during field visit 3/20/14.					
FS Date: 3/20/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	2.26	Rating **	A	Issue No.	23
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.030460 °	39.030460 °
				-121.417276 °	-121.417276 °
DWR ID	DWR_RD2103_01_f_2014_23				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD2103_10_23_20141017_00006.jpg



This photo was taken from the crown facing west looking down the landward levee slope at acceptable vegetation maintenance. Fall 2014.

LM Start	2.72	Rating **	M	Issue No.	22
LM End	2.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.031590 °	39.031590 °
				-121.409870 °	-121.409870 °
DWR ID	DWR_RD2103_01_f_2014_22				
Action/Comments					
Inspector Comments: FS_ID:38331					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status.					
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee,					
3.1 feet below the crown. Siphon breaker on the waterward slope.					
Pump on the landward side. Pipe crosses creek to orchard on north					
side. (USACE-1962). This entry matches the Drainage or Irrigation					
Structure referenced in O&M manual (HLM 2.68).					
FS Date: 3/20/2014					

No Photos

LM Start	2.75	Rating **	C	Issue No.	1
LM End	2.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.032502 °	39.032502 °
				-121.409080 °	-121.409080 °
DWR ID	DWR_RD2103_01_f_2013_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	4.64	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	3.47	Rating **	M	Issue No.	7
LM End	3.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.031831 °	39.031831 °
				-121.401406 °	-121.401406 °
DWR ID	DWR_RD2103_01_f_2013_7				
Action/Comments					
Prunings					

No Photos

LM Start	4.52	Rating **	M	Issue No.	8
LM End	4.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.041051 °	39.041810 °
				-121.394931 °	-121.393951 °
DWR ID	DWR_RD2103_01_f_2013_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_RD2103_10_8_20141013_00004.jpg



This photo was taken from the crown of the levee facing west looking at the vegetation on the waterward slope of the levee.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 2103 Wheatland Vicinity

Waterway			Bank	Unit Miles
Unit No. 02 Bear River			Right	4.88
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/24/2014 - 04/24/2014		10/16/2014 - 10/16/2014	
DWR Inspector	Matthew Hoffman		Matthew Hoffman	
Accompanied By	Tom Engler RD 2103		Tom Engler RD 2103	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	0.30	Rating **	A/W	Issue No.	4
LM End	0.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			38.994660 °	38.995537 °
				-121.432170 °	-121.428535 °
DWR ID	DWR_RD2103_02_s_2012_4				
Action/Comments					
Inspector Comments: The District has a concern with dead trees placed in the rip rap that may not stay in place during a high water event.					

Photo 1 of 2 : FA_2014_RD2103_11_4_20141013_00002.jpg



View of revetment with dead trees, Spring 2013.

LM Start	0.30	Rating **	A/W	Issue No.	4 (cont)
LM End	0.51	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2014_RD2103_11_4_20141013_00003.jpg



Trees at waters edge in the rip rap levee mile 0.30.

LM Start	0.32	Rating **	A/W	Issue No.	3
LM End	0.49	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.994756 °	38.995450 °
				-121.431809 °	-121.428893 °
DWR ID	DWR_RD2103_02_f_2013_3				
Action/Comments					
Environmental Requirements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	0.52	Rating **	M	Issue No.	2
LM End	0.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.995471 °	38.995471 °
				-121.428734 °	-121.428734 °
DWR ID	DWR_RD2103_02_f_2014_2				
Action/Comments					
Inspector Comments: FS_ID:38340					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm if crossing is at this location. Pump was found on landward side.					
FIELD_STRUCT_DESC: 36-inch and 12-inch concrete standpipes at the landward toe of levee. Well and switch panel at toe. Pump located 20-feet from landward toe.					
FS Date: 3/20/2014					

No Photos

LM Start	0.74	Rating **	A	Issue No.	22
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.996588 °	38.996588 °
				-121.424209 °	-121.424209 °
DWR ID	DWR_RD2103_02_f_2014_22				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_RD2103_11_22_20141017_00006.jpg



This photo was taken from the crown facing east looking down the landward levee slope at acceptable vegetation maintenance. Fall 2014.

LM Start	0.76	Rating **	C	Issue No.	1
LM End	0.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.996588 °	38.996588 °
				-121.424209 °	-121.424209 °
DWR ID	DWR_RD2103_02_f_2013_1				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Large squirrel hole in the landward slope of the levee.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	1.31	Rating **	M	Issue No.	9
LM End	1.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998301 °	38.998301 °
				-121.415296 °	-121.415296 °
DWR ID	DWR_RD2103_02_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:39992 EP_NO: 1613 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 16-inch steel gas line through the levee, 3.0 feet below the crown. (Permit No. 1613-1951). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.30). FS Date: 3/20/2014					

No Photos

LM Start	1.31	Rating **	M	Issue No.	10
LM End	1.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998301 °	38.998301 °
				-121.415182 °	-121.415182 °
DWR ID	DWR_RD2103_02_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:39993 EP_NO: 5714 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to confirm crossing and determine status. FIELD_STRUCT_DESC: 12-inch steel sewer pipes through the levee, 3.1 feet below the crown. Siphon breaker in 24-inch CM pipe riser on the landward shoulder. Standard CM cutoff wall around pipe at centerline of levee. Extends from wastewater treatment plant on landward side to waste water lagoon on waterward side. Permit includes construction of lagoon with surrounding short levee, extending from/to project levee. (Permit No. 5714-1968). FS Date: 3/20/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	1.34	Rating **	M	Issue No.	11
LM End	1.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998322 °	38.998322 °
				-121.414688 °	-121.414688 °
DWR ID	DWR_RD2103_02_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:39994					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine details of the crossing through levee.					
FIELD_STRUCT_DESC: Wheatland Sewage Disposal Plant on waterward side, treatment plant on landward side. Service pole on waterward slope.					
FS Date: 3/20/2014					

No Photos

LM Start	1.77	Rating **	M	Issue No.	12
LM End	1.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.000069 °	39.000069 °
				-121.407159 °	-121.407159 °
DWR ID	DWR_RD2103_02_f_2014_12				
Action/Comments					
Inspector Comments: FS_ID:40000					
EP_NO: 4399					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to confirm line alignment and permit. Also need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 8 5/8-inch gas line through the levee, 3.5-feet below the levee crown. Concrete cutoff wall around pipe at centerline of levee. Pipe extends past waterward toe under the river bed. (Permit No. 4399-1964).					
FS Date: 3/20/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	1.80	Rating **	M	Issue No.	13
LM End	1.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.000278 °	39.000278 °
				-121.406812 °	-121.406812 °
DWR ID	DWR_RD2103_02_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:40743					
EP_NO: 15012					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to contact owner to confirm if crossing was plugged. Need records showing details of plug.					
FIELD_STRUCT_DESC: 8-inch diameter gas pipeline through levee, 2-feet under the levee crown. Concrete plug on waterward end of pipe. 2-feet of exposed pipe on waterward levee slope. Pipe extends into overflow area. (Permit No. 15012-1988).					
FS Date: 3/20/2014					

No Photos

LM Start	1.80	Rating **	U	Issue No.	14
LM End	1.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.000299 °	39.000299 °
				-121.406789 °	-121.406789 °
DWR ID	DWR_RD2103_02_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:40005					
EP_NO: 3659					
Repair Type: Urgent					
Crossing Status: Not Found					
UCIP Comments: No markers or indicators for crossing. Need to contact to determine status of crossing.					
FIELD_STRUCT_DESC: 8-5/8-inch steel gas line through the levee, 3.0 feet below the crown. Cutoff wall around pipe at centerline of levee.					
Pipe mounted on the downstream side of SPRR trestle across Bear River. Pipe extends through overflow area. (Permit No. 3569-1961).					
This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.79).					
FS Date: 3/20/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	1.80	Rating **	U	Issue No.	15
LM End	1.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.000409 °	39.000409 °
				-121.406725 °	-121.406725 °
DWR ID	DWR_RD2103_02_f_2014_15				
Action/Comments					
Inspector Comments: FS_ID:40006					
EP_NO: 4148					
Repair Type: Urgent					
Crossing Status: Not Found					
UCIP Comments: No indicators or markers found for this crossing.					
Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 8-inch diameter gas main through the levee, 3-					
feet below the levee crown. Cutoff wall around gas line at centerline of					
levee. Pipe extends across channel attached to hangers on the					
downstream side of the highway bridge. (Permit No. 4148-1962).					
FS Date: 3/20/2014					

No Photos

LM Start	1.81	Rating **	M	Issue No.	16
LM End	1.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.000409 °	39.000409 °
				-121.406725 °	-121.406725 °
DWR ID	DWR_RD2103_02_f_2014_16				
Action/Comments					
Inspector Comments: FS_ID:40027					
EP_NO: 14372					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 8-inch steel petroleum pipeline through the levee, 40-feet below the levee crown. Adjacent to RR tracks across channel. (Permit No. 14372-1987).					
FS Date: 3/20/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	2.59	Rating **	M	Issue No.	6
LM End	2.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.008356 °	39.008356 °
				-121.397283 °	-121.397283 °
DWR ID	DWR_RD2103_02_f_2013_6				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	2.64	Rating **	C	Issue No.	7
LM End	2.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.009077 °	39.009077 °
				-121.397318 °	-121.397318 °
DWR ID	DWR_RD2103_02_s_2013_7				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Large elderberry bush on L/S slope.					

No Photos

LM Start	2.67	Rating **	M	Issue No.	17
LM End	2.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.009394 °	39.009394 °
				-121.397300 °	-121.397300 °
DWR ID	DWR_RD2103_02_f_2014_17				
Action/Comments					
Inspector Comments: FS_ID:40045 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe has been plugged--visible on landward side. Need to contact owner to obtain additional information about abandoned crossing. FIELD_STRUCT_DESC: 1 of 2: 30-inch diameter CM irrigation pipe through levee, 13.8 feet below crown. Slide gates in 42-diameter riser on waterward slope. Concrete "U" headwall at both levee toes. Grouted spillway on landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.67). FS Date: 3/20/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	2.67	Rating **	M	Issue No.	18
LM End	2.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.009408 °	39.009408 °
				-121.397296 °	-121.397296 °
DWR ID	DWR_RD2103_02_f _ 2014_18				
Action/Comments					
Inspector Comments: FS_ID:40046 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status--crossing appears to be modified. Need to contact owner to obtain additional information about modified crossing. FIELD_STRUCT_DESC: 2 of 2: 30-inch diameter CM irrigation pipe through levee, 13.8 feet below crown. Slide gates in 42-diameter riser on waterward slope. Concrete "U" headwall at both levee toes. Grouted spillway on landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.67). FS Date: 3/20/2014					

No Photos

LM Start	4.05	Rating **	M	Issue No.	19
LM End	4.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022529 °	39.022529 °
				-121.379286 °	-121.379286 °
DWR ID	DWR_RD2103_02_f_2014_19				
Action/Comments					
Inspector Comments: FS_ID:40048					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Crossing has been modified---need to contact owner to obtain permit used for modification.					
FIELD_STRUCT_DESC: 24-inch CM irrigation pipe through the levee, 8.0 feet below the crown. Slide gate in concrete square riser (not CM pipe riser as mentioned in desk study) on waterward slope. Concrete headwall and trash rack at toe of waterward slope. Breather pipe on landward slope. Dischare in irrigation ditch on landward side. Two CM cutoff walls. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.05). Replaced by multiple CM irrigation pipes under Permit No. 18081 (2006).					
FS Date: 3/20/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	4.05	Rating **	U	Issue No.	20
LM End	4.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.022556 °	39.022556 °
				-121.379210 °	-121.379210 °
DWR ID	DWR_RD2103_02_f_2014_20				
Action/Comments					
Inspector Comments: FS_ID:40026 EP_NO: N/A Repair Type: Urgent Crossing Status: Not Found UCIP Comments: Need to confirm line alignment and permit. Also need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 8-inch steel gas line through the levee, 6.0 feet below the crown. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.05). FS Date: 3/20/2014					

No Photos

LM Start	4.86	Rating **	M	Issue No.	21
LM End	4.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.030340 °	39.030340 °
				-121.368535 °	-121.368535 °
DWR ID	DWR_RD2103_02_f_2014_21				
Action/Comments					
Inspector Comments: FS_ID:40049					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Crossing has been modified---need to contact owner to obtain permit used for modification.					
FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through levee, 10.6 feet below the crown. Slide gate in concrete square riser (not 36-inch CM riser as mentioned in desk study) on the waterward slope. Concrete "U" headwall and trash rack at waterward toe. 5x5-foot concrete distribution box and headwall at landward toe. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.87).					
FS Date: 3/20/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2103 Wheatland Vicinity

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	4.88	10/16/2014 10/16/2014	Matthew Hoffman

LM Start	4.97	Rating **	M	Issue No.	8
LM End	4.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.031426 °	39.031426 °
				-121.367073 °	-121.367073 °
DWR ID	DWR_RD2103_02_f_2013_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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